

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
1 March 2001 (01.03.2001)

PCT

(10) International Publication Number
WO 01/15475 A1

(51) International Patent Classification⁷: **H04Q 7/36**

(21) International Application Number: **PCT/EP00/05099**

(22) International Filing Date: **2 June 2000 (02.06.2000)**

(25) Filing Language: **English**

(26) Publication Language: **English**

(30) Priority Data:
9919850.9 20 August 1999 (20.08.1999) **GB**

(71) Applicant (for all designated States except US): **LU-CENT TECHNOLOGIES INC.** [US/US]; 600 Mountain Avenue, Murray Hill, NJ 07974-0636 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **COSTA, Mauro** [IT/IT]; Via Dabusti, 55, Casteggio, I-27045 Pavia (IT). **PALAT, Sudeep, Kumar** [IN/GB]; 17 Heytsbury Gardens, Grange Park, Swindon, Wiltshire SN5 6EE

(GB). **ROBERTS, Michael** [GB/GB]; 127 East Street, Prittlewell, Southend-On-Sea, Essex SS2 5EB (GB). **SIVAGNANASUNDARAM, Sutha** [LK/GB]; 93 Lines Road, Tooting, London SW17 4EJ (GB).

(74) Agents: **WATTS, Christopher, M., K. et al.**; Lucent Technologies UK Limited, 5 Mornington Road, Woodford Green, Essex IG8 0TU (GB).

(81) Designated States (national): **AU, BR, CA, CN, ID, IN, JP, KR, US.**

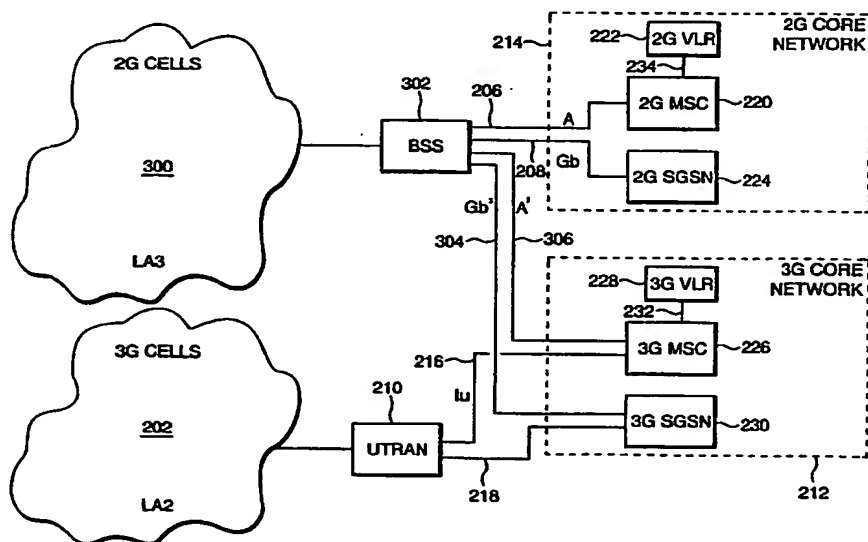
(84) Designated States (regional): European patent (**AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE**).

Published:

— With international search report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **COMBINED LOCATION AREAS FOR GSM/UMTS**



(57) Abstract: There is disclosed a packet switched network architecture having a first location area supported by a first radio access network connected to a core network of a first functionality and a second location area supported by a second radio access network connected to a core network of a second functionality, wherein at least a part of the first and second location areas overlap thereby defining a common location area, and the terminals in the first and second location areas may have either one or both of a first and a second mode of operation corresponding to the first and second functionalities respectively, wherein mobile terminals in the first location area having the second mode of operation may be connected by the first radio access network to a core network having the second functionality.